

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2003088957
PUBLICATION DATE : 25-03-03

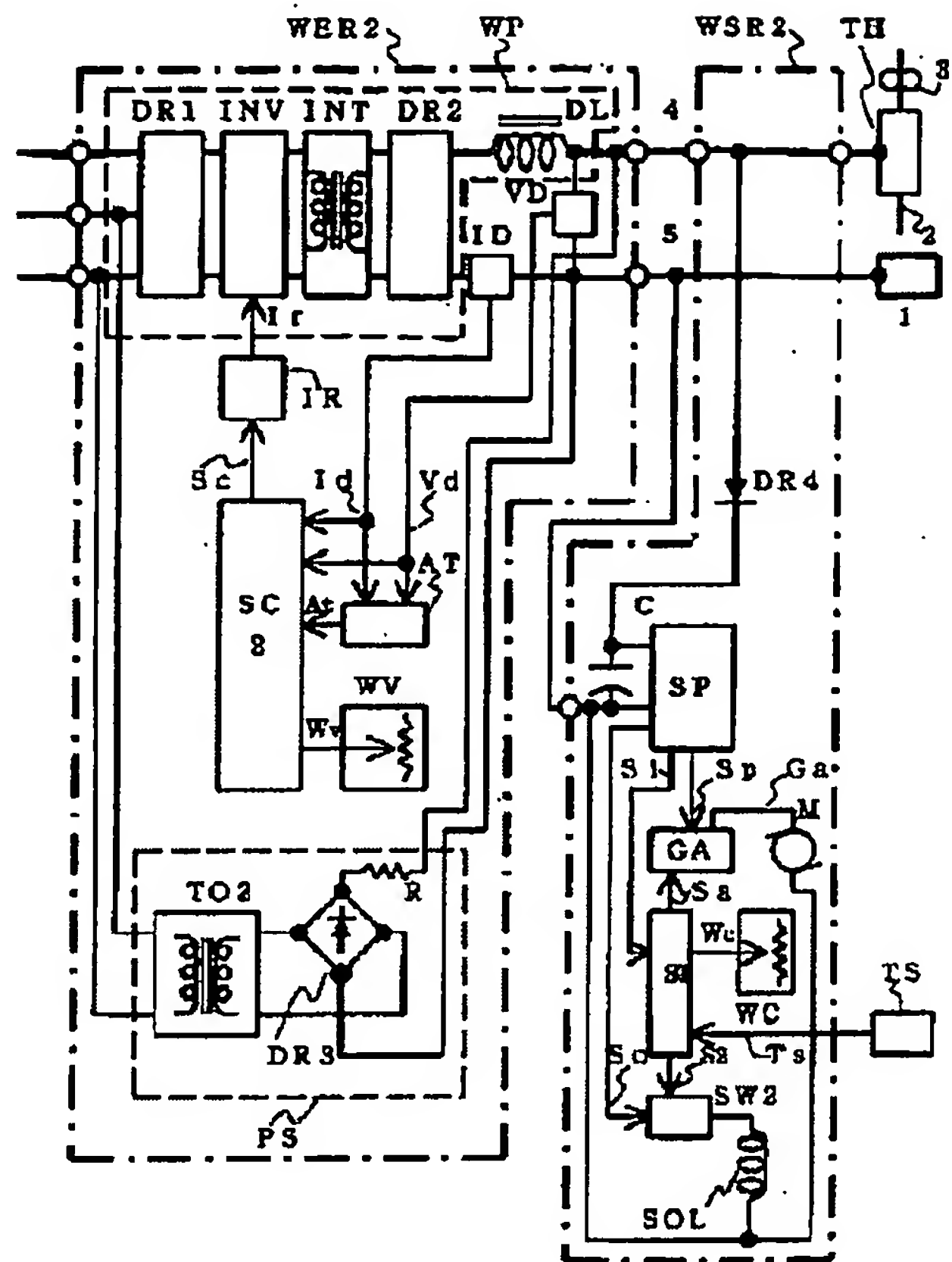
APPLICATION DATE : 18-09-01
APPLICATION NUMBER : 2001282991

APPLICANT : DAIHEN CORP;

INVENTOR : ISHII HIROYUKI;

INT.CL. : B23K 9/073 B23K 9/12

**TITLE : CONSUMABLE ELECTRODE ARC
WELDING EQUIPMENT**



ABSTRACT : **PROBLEM TO BE SOLVED:** To solve a conventional problem of highly inferior workability and frequent disconnection of a control cable because of the need of moving altogether bundled integrated control lines or a control cable 10 comprising a plurality of optical fibers when a welding operator carries a wire feeding device, which is separated from a welding power source, according as a welding position moves.

SOLUTION: In the consumable electrode arc welding equipment, the welding power source WER2 is equipped with a power source PS for controlling welding stand-by output, while the wire feeding device WSR2 having a built-in motor control circuit is equipped with a power source SP for controlling the built-in feeding device which is a power source inputting a control voltage from a first and second power cables 4 and 5. The control voltage to be inputted by the power source SP is supplied from the power source PS during the welding stand-by period T6, from an arc voltage during the welding period T3, and from the no-load voltage of the welding power source WER2 during the no-load voltage outputting period T7.

COPYRIGHT: (C)2003,JPO